

BENDING MICROACTUATOR HAVING A TWO-PIECE SUSPENSION DESIGN

ABSTRACT OF THE DISCLOSURE

A microactuation system selectively alters a position of a transducing head carried by a slider in a disc drive system with respect to a track of a rotatable disk having a plurality of concentric tracks. The microactuation system includes a head suspension having a first portion and a flexure for supporting the slider. A flexible beam extends from the first portion of the head suspension at one end to the flexure at the other end. An electroactive element is attached to the beam. The electroactive element bends in response to a control signal applied thereto. The beam is sufficiently compliant to permit movement of the first portion of the head suspension with respect to the flexure.

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